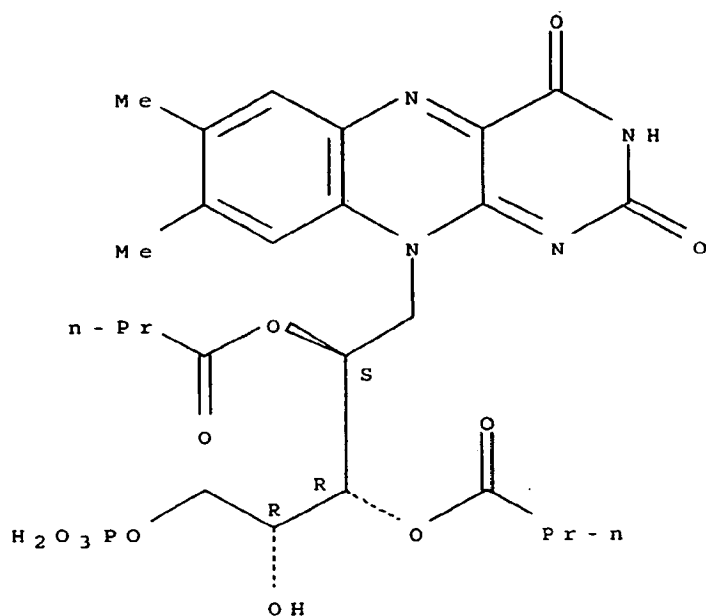


XP-002380915

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN \*\*\*1973:97969\*\*\* CAPLUS  
 DN 78:97969  
 TI Riboflavine phosphates  
 IN Tanaka, Teruo; Tanaka, Hideo; Tsubaki, Noritaka  
 PA Toa Eiyo Chemical Industry Co., Ltd.  
 SO Jpn. Tokkyo Koho, 3 pp.  
 CODEN: JAXXAD  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

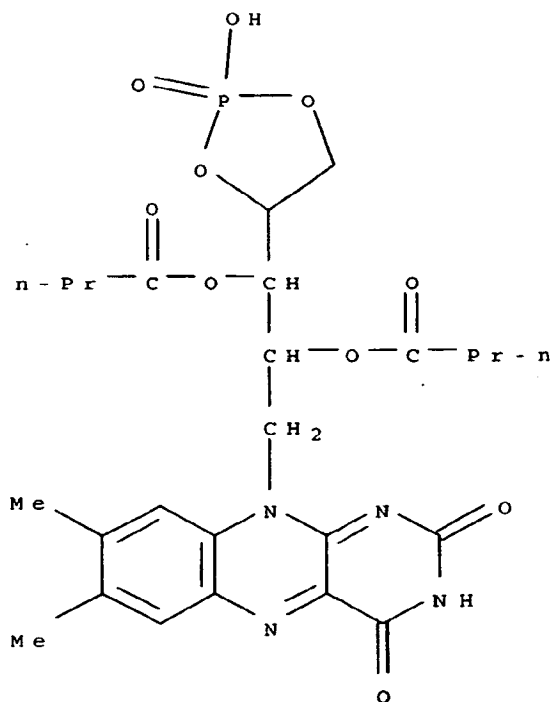
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 47045360	B4	19721115	JP 1969-14237	19690227
AB	Riboflavine 5'-phosphate (I) was treated with butyric or isobutyric acid deriv. and the resulting 4',5'-cyclic phosphate hydrolyzed to give the 4'(or 5')-monophosphate, useful as H2O-sol. vitamin B2. E.g., 0.54 g pyridinium salt of I in pyridine was treated with 1.6 g butyric anhydride to give 0.65 g 2',3'-di-O-butyrylriboflavine 4',5'-cyclic phosphate; 0.61 g of which in EtOH was hydrolyzed with 85% HCO2H to give 0.5 g 2',3'-di-O-butyrylriboflavine 4'(or 5')-monophosphate. Similarly prepd. was 2',3'-di-O-isobutyrylriboflavine 4'(or 5')-monophosphate.				
ST	riboflavine phosphate butyryl isobutyryl				
IT	***22270-40-2P***	***28295-88-7P***	***40147-48-6P***		
	***40147-49-7P***	***40147-51-1P***	***40147-52-2P***		
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
IT	***146-17-8***				
	RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with butyric and isobutyric acids)				
IT	***22270-40-2P***	***28295-88-7P***	***40147-48-6P***		
	***40147-49-7P***	***40147-51-1P***	***40147-52-2P***		
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
RN	22270-40-2	CAPLUS			
CN	Riboflavin 5'-(dihydrogen phosphate), 2',3'-dibutanoate (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



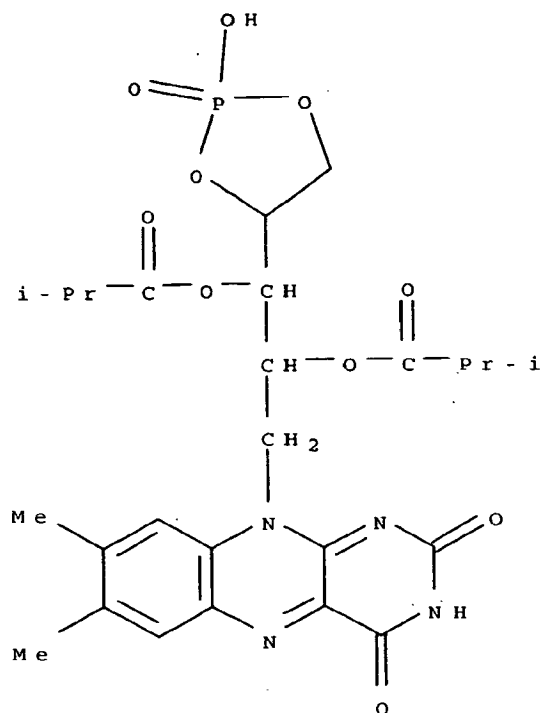
RN 28295-88-7 CAPLUS

CN Riboflavin, cyclic 4',5'-(hydrogen phosphate) 2',3'-dibutanoate (9CI) (CA INDEX NAME)



RN 40147-48-6 CAPLUS

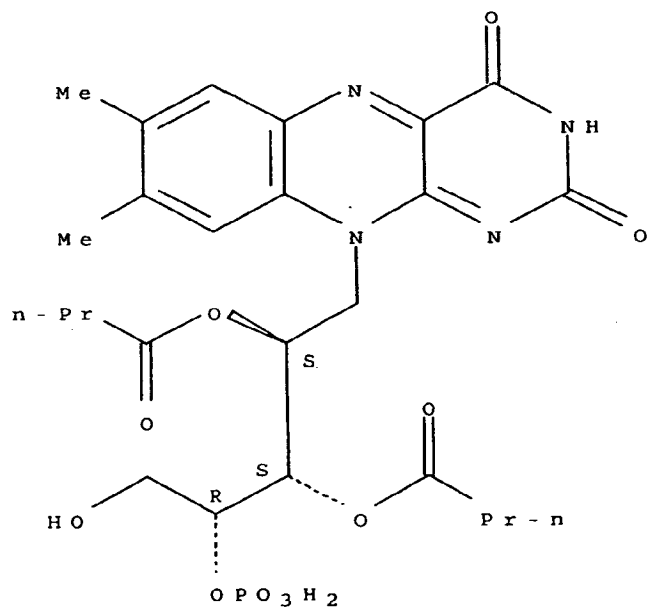
CN Riboflavin, cyclic 4',5'-(hydrogen phosphate) 2',3'-bis(2-methylpropanoate) (9CI) (CA INDEX NAME)



RN 40147-49-7 CAPLUS

CN Riboflavin 4'-(dihydrogen phosphate), 2',3'-dibutanoate (9CI) (CA INDEX NAME)

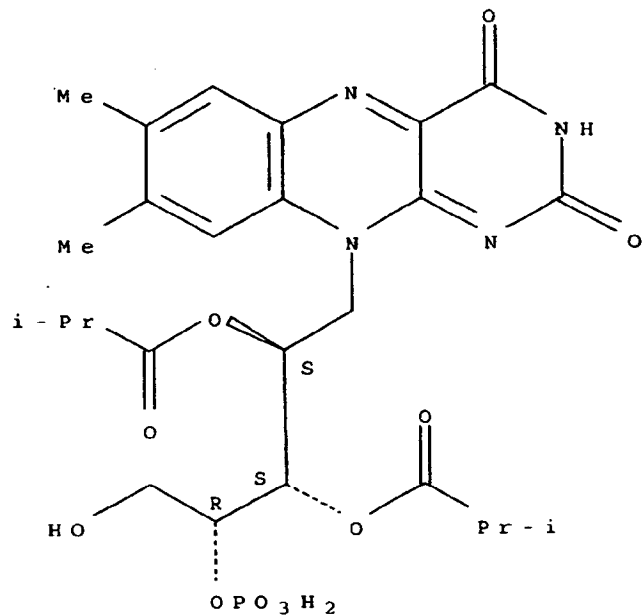
Absolute stereochemistry.



RN 40147-51-1 CAPLUS

CN Riboflavin 4'-(dihydrogen phosphate), 2',3'-bis(2-methylpropanoate) (9CI) (CA INDEX NAME)

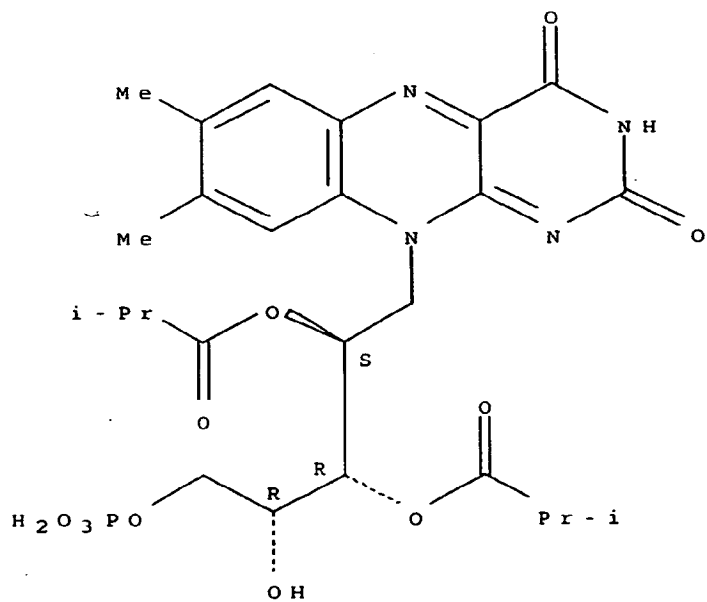
Absolute stereochemistry.



RN 40147-52-2 CAPLUS

CN Riboflavin 5'-(dihydrogen phosphate), 2',3'-bis(2-methylpropanoate) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



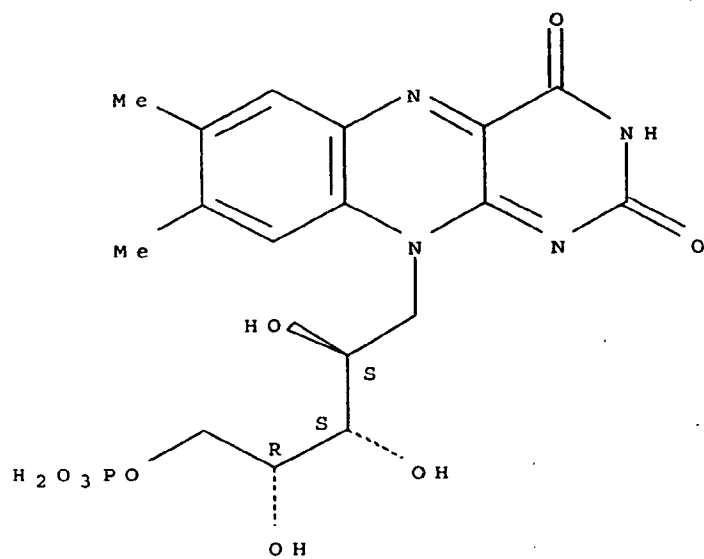
IT \*\*\*146-17-8\*\*\*

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with butyric and isobutyric acids)

RN 146-17-8 CAPLUS

CN Riboflavin 5'-(dihydrogen phosphate) (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.



=>